

**Specifications
Form
Passenger Car**

1983

METRIC (U.S. Customary)

Manufacturer CHEVROLET MOTOR DIVISION GENERAL MOTORS CORPORATION	Car Line CITATION	
Mailing Address CHEVROLET ENGINEERING CENTER 30003 VAN DYKE WARREN, MICHIGAN 48090	Model Year 1983	Issued SEPTEMBER, 1982
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Revised sheets- 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 17, 21

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The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.

MVMA-C-83

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Table of Contents

1	Car Models
2	Power Teams
3-6	Engine
4	Lubrication System
4	Diesel Information
5	Fuel System
6	Cooling System
7	Vehicle Emission Control
7	Exhaust System
8, 9	Electrical
10-12	Transmission, Axles and Shafts
13	Tires and Wheels
13, 14	Brakes
15, 16	Steering
17	Suspension — Front and Rear
18	Body — Miscellaneous Information
18	Passive Restraint System
18	Frame
19	Convenience Equipment
20	Feature Highlights
21	Vehicle Mass (Weight)
22	Optional Equipment Mass (Weight)
23-25	Car and Body Dimensions
26	Vehicle Fiducial Marks
27	Glass/Lamps and Headlamp
28-32	Car and Body Dimension Key Sheets
33	Index

NOTE:

1. This form uses both SI metric units and U.S. Customary units. The metric unit of measure is presented first, and the U.S. Customary unit follows in parentheses.
2. **UNLESS OTHERWISE INDICATED:**
 - a. Specifications apply to standard models without optional equipment. Significant deviations are noted.
 - b. Nominal design dimensions are used throughout these specifications.
 - c. All linear dimensions are in millimeters (inches), and all mass (weight) specifications are in kilograms (pounds).
3. The General Specifications herein are those in effect at date of completion and are subject to change without notice by the manufacturer.
4. Additional Car and Body Dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Car Models

Model Description	Introduction Date	Make, Car Line, Series, Body Type (Mfr's Model Code)	No of Designated Seating Positions (Front/Rear)	Max Truck/Cargo Load—Kilograms (Pounds)
CITATION		MODEL NUMBER	FRONT/REAR	
2-Door Notchback Coupe		1XH11	2 3	56.9 (125.4)
2-Door Hatchback Coupe		1XX08	2 3	56.9 (125.4)
4-Door Hatchback Sedan		1XX68	2 3	56.9 (125.4)

Note: Any specifications on the following pages that are specific to California requirements are indicated accordingly.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Power Teams (Indicate whether standard or optional)

SAE Net bhp (brake horsepower) and net torque corrected to 85° F and 29.38 in. Hg atmospheric pressure.

SERIES AVAILABILITY	ENGINE						TRANSMISSION	AXLE RATIO (std first) (indicate A/C ratio) Base - Opt.
	Disp. Liters (in ³)	Carb. (Barrels, Fl. etc.)	Compr. Ratio	SAE Net at RPM		Exhaust System*		
				kW (bhp)	Torque N - m (lb. ft.)			
Base - All States	L-4 2.5L (151 CID) LRB	EFI (*)	8.2:1	92 @ 4000	134 @ 2800	S	Man 4-Spd. (3.53 low) - Base	3.32:1 3.65:1** (2.42:1)(2.96:1)
							Auto '125c' - Avail	2.84:1 2.84:1** (2.39:1)(2.84:1)
Avail - All States	V-6 2.8L (172 CID) LE2	2	8.5:1	112 @ 4800	145 @ 2100	S	Man 4-Spd. (3.53 low) - Base	3.32:1 - (2.69:1) -
							Auto '125c' - Avail	2.84:1# 2.84:1+ (2.53:1)(2.84:1)
Avail - All States	V6 2.8L (173 CID) H.O. LH7	2	8.9:1	135 @ 5400	145 @ 2400	S@@	Man 4-Spd. (3.31 low) - Base	3.65:1 - (2.96:1) -
							Auto '125c' - Avail	3.06:1 - (3.06:1)
* - Electronic Fuel Injection. ** - Recommended optional axle for high altitude usage, requires RPO NA6. @@ - With dual tailpipes. + - California only. # - Federal only.								

* S-Single D-Dual

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Engine Description/Carb.
 Engine Code

2.5 LTR. L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LTR. V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	2.8 LTR. V6 H.O. 2-BBL. CARBURETOR RPO LH7
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ENGINE - GENERAL

Type & description (inline, V, angle, flat location, front, mid, rear, transverse, longitudinal, etc.)	In Line Front	60° V	
	Transverse, front of engine faces right side of vehicle		
No. of cylinders	4	6	
Bore	101.6 (4.0)	89 (3.50)	
Stroke	76.2 (3.0)	76 (2.99)	
Bore spacing (c/l to c/l)	111.8 (4.40)		
Cylinder block material	Cast alloy iron		
Cylinder block deck height	232.8 (9.2)	224 (8.819)	
Deck clearance (minimum) (above or below block)	.63 (.025) Below	0.64 (.025) Below	
Cylinder head material	Cast alloy iron		
Cylinder head volume (cm ³)	--	--	
Head gasket thickness (compressed)	0.97 (.038)	0.838 (0.033)	
Minimum combustion chamber volume (cm ³)	81.79 (4.99)	51.5 (3.14)	51.346 (3.133)
Cyl no system (front to rear)*	L Bank	1-2-3-4	2-4-6
	R Bank	--	1-3-5
Firing order	1-3-4-2	1-2-3-4-5-6	
Recommended fuel (leaded, unleaded, diesel)	Unleaded		
Fuel antiknock index (R + M) 2	87		
Total dressed engine mass (wt) dry**	156.8 (346)	176.5 (389)	

Engine - Pistons

Material	Cast Aluminum Alloy	
Mass, g (weight, oz.) - Piston Only	650 (22.96)	467 (16.47)

Engine - Camshaft

Location	Right side of block	In block
Material (kg, weight, lbs)	Cast Iron	
Mass (kg, weight, lbs)	3.546 (7.82)	3.098 (6.83)
Type of drive (chain or belt)	Width	19.0 (.748) Chain
	Pitch	9.53 (.375)

* Rear of engine - drive takeoff. View from drive takeoff end to determine left & right side of engine.

** Dressed engine mass (weight) includes the following: All those items necessary to make the engine a complete ready-to-run unit.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	RPO LH7 (H.O.)
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Engine - Valve System

Liters (std., opt., n.a.)	Hydraulic	Standard
	Solid	--

Engine - Connecting Rods

Material & mass (kg., weight, lbs.)	.555 (1.223) Cast Arma Steel	.399 (0.880) 1038 Steel
-------------------------------------	---------------------------------	----------------------------

Engine - Crankshaft

Material (kg., weight, lbs.)	Nodular Cast Iron	
Mass (kg., weight, lbs.)	13.660 (30.11)	14.170 (31.24)
End thrust taken by bearing (no.)	5	3

Engine - Lubrication System

Normal oil pressure [kPa (psii) at engine rpm]	259 (37.5)	345-450(50-65)@2000	345-450(50-65)@1200
Type oil intake (floating stationary)	Stationary		
Oil filter system (full flow, part, other)	Full flow		
Capacity of c/case less filter-refill-L (qt)	2.8 (3.0)	3.8 (4.0)	

Engine - Diesel Information

Glow plug current drain at 0°F		
Injector nozzle	Type	Not
	Opening pressure [kPa (psii)]	
Pre-chamber design		Applicable
Fuel injection pump	Manufacturer	
	Type	
Supplementary vacuum source (type)		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

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Engine - Fuel System (See supplemental page for details of Fuel injection, Supercharger, Turbocharger, etc. if used)

Induction type: carburetor, fuel injection system, etc.		Fuel Injection	Carburetor	
Carburetor	Mfr		Rochester	
	Choke (type)	Not available	Electric	
	Idle spd-rpm (spec neutral or drive and propane if used)	Manual	--	
		Automatic	--	
Idle A/F mix		Preset - no adjustment provided		
Fuel injection	Point of injection (no.)			
	Constant, pulse, flow			
	Control (electronic, mech.)			
	System pressure (kPa (psii))			
Intake manifold heat control (exhaust or water) thermostatic or fixed		Water	Exhaust	
Air cleaner type	Standard	Replaceable paper element, single snorkel (a)		
	Optional	--		
Fuel pump	Type (elec or mech.)	Electric	Mechanical	
	Location (eng. tank)	In fuel tank	On engine left front	
	Pressure range (kPa (psii))	83 (12.0)	41-52 (6.0-7.5)	

Fuel Tank

Capacity (refill) (gallons)	55.3 (14.6) Approx.	57.2 (15.1) Approx.
Location (describe)		
Attachment		
Material		
Filter pipe	Location & material	Left rear quarter
	Connection to tank	
Fuel line (material)		
Fuel hose (material)		
Return line (material)		
Vapor line (material)		
Extended range tank	Opt. n.s.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
Auxiliary tank	Opt. n.s.	
	Capacity [L (gallons)]	
	Location & material	
	Attachment	
	Selector switch or valve	
Separate fill		

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (x) 2-83

Engine Description/Code Engine Code	2.5 LITER L4 (151 CID)	2.8 LITER V6 (173 CID)
	ELECTRONIC FUEL INJ.	2-BBL. CARBURETOR
	RPO LR8	RPO LF2 RPO LH7 (H.O.)

Engine - Cooling System

Coolant recovery system (std. opt. n/a)		Standard		
Coolant fill location (std. bottle)		Bottle		
Radiator cap relief valve pressure (kPa (psi))		103.4 (15.0)		
Circulation Thermostat	Type (choke, bypass)	Choke		
	Starts to open at °C (°F)	90 (195)		
Water pump	Type (centrifugal, other)	Centrifugal		
	GPM 1000 pump rpm	6 --		
	Number of pumps	One		
	Drive (V-belt, other)	V-Belt		
Bearing (type)		Sealed double row ball		
By-pass recirculation (type (inter., ext.))		External	Internal	
Radiator core type (cross-flow vertical cellular tube and fin, other) and material		Cross-flow		
Cooling system capacity	With heater - (Lit.)	8.24(8.71)Auto, 8.34(8.82)Man.	10.04(10.61)Auto, 10.14(10.72)Man	
	With air cond - (Lit.)	8.53(9.02)Auto, 8.63(9.12)Man.	10.39(10.98)Auto, 10.49(11.09)Man	
	Opt. equipment (specify - (Lit.))	8.59(9.08)Man	10.55(11.15)Auto&Man, H.D. Radiator	
Water jackets full length of cyl. (yes, no)		Yes		
Water all around cylinder (yes, no)		Yes		
Radiator core	Standard	Width	430.0 (16.93) 600.0 (23.62)	
		Height	387.5 (15.26)	
		Thickness	25.0 (1.0)	
	A/C	Width	600.0 (23.62)	
		Height	387.5 (15.26)	
		Thickness	25.0 (1.0) 40.2 (1.58)	
	Heavy Duty	Width	600.0 (23.62)	
		Height	387.5 (15.26)	
		Thickness	40.2 (1.58)	
	Fins per inch		4.23(Man), 5.52(Auto) 4.23(Man), 6.35(Auto) 5.08(Man), 6.35(Auto)	
	Fan (standard)	Number of blades & type (flex, solid, material)		7, unequally spaced, radiator mounted
		Diameter & projected width		385 (15.2) 381 (15.0)
Ratio (fan to crankshaft rev.)		--		
Fan cut-out type		(+) Electronic controlled module		
Drive (type (direct, remote))		Electric-one, shrouded		
Fan shroud (material)		Plastic		
Fan (electric)	Diameter & projected width		385 (15.2) 381 (15.0)	
	RPM at idle		2000	
	Motor rating (wattage)		Electric-one, with rotating reinforcement ring, 97 watts	
	Motor switch (type & location)		Coolant switch	
	Switch point (temp. pressure)		110°F	
Fan shroud (material)		Plastic		
Fan (optional)	No. of blades and spacing		7, unequally spaced, radiator mounted	
	Diameter & projected width		368.3 (14.5)	
	Ratio (fan to crankshaft rev.)		--	
	Fan cut-out (type)		Constant	
Drive (type (direct, remote))		Electric-one, shrouded		

(+) - Thermostatically controlled electric fan.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (to) 2-83

Engine Description/Carb.
 Engine Code

2.5 LTR. L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	RPO LH7 (H.O.)
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Vehicle Emission Control

Exhaust Emission Control:	Type (air injection engine modifications other)		Computer command control	Air injection w/computer command control
	Air Injection	Pump (type)	Not	Vane
		Driven by	Available	V-Belt
		Air distribution (head manifold etc)	--	Exh. manif., conv. & air cleaner
		Point of entry	--	Exh. manifold ports
	Exhaust Gas Recirculation	Type (controlled flow open orifice other)	Controlled flow	
		Exhaust source	Exhaust manifold	R.H. bank
		Point of exhaust injection (spacer carburetor manifold other)	Inlet manifold	
	Catalytic Converter	Type	Single Bed, Oxidizing & Reducing	Dual Bed, Oxidizing & Reducing
		Number of	One	
		Location(s)	Mounted to underbody at #2 body bar	
		Volume (L in ³)	2.6 (160)	2.8 (170)
Substrate type		Pellets	Monolith	
Crankcase Emission Control:	Type (ventilates to atmosphere induction system other)		Induction system	
	Energy source (manifold vacuum carburetor other)		Manifold vacuum	
	Discharges to intake manifold other		Inlet manifold	
	Air filter/breather cap other		Carburetor air cleaner	
Evaporative Emission Control:	Vapor vented to crankcase canister other	Fuel tank	Canister	
		Carburetor		Canister
	Vapor storage provision (crankcase canister other)		Canister	

Engine - Exhaust System

Type (single or dual with cross-over other)	Single	Single w/cross-over	Single w/cross-over@
Muffler no. & type (reverse flow straight thru separate resonator)	One, reverse flow		
Resonator no. & type	None		
Exhaust pipe	Branched od. wall thickness	--	50.8x0.81(2.0x.032) (2) 57.2x0.81(2.25x.032) (2)
	Main od. wall thickness	44.45x1.12(1.75x.044)	47.8x1.42(1.875x.056)
	Material	Stainless steel	(1)
Inter-mediate pipe	od. & wall thickness	50.8x1.4(2.0x.06)	50.8x1.09(2.00x.043) 57.15x1.4(2.25x.055)
	Material	Aluminum coated steel	Aluminum coated steel
Tail pipe	od. & wall thickness	50.8x1.4(2.0x.06)	44.45x1.4(1.75x.055) 50.8x1.4(2.00x.055)
	Material	Aluminum coated steel	Aluminum coated steel

- @ - With dual tailpipes.
- (1) - Stainless steel pipe with aluminum coated steel heat shield.
- (2) - Laminated tubing, steel inner, stainless steel outer.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	RPO LH7 (H.O.)
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Electrical - Supply System

Battery	Voltage (V & total plates)	12V	
	Minimum reserve cranking	70 minutes(a), 90 minutes(b)	75 minutes(a), 90 minutes(b)
	SAE capacity (amps)	355(a), 500(b)	315(a), 500(b)
	Location	L.H. side of engine compartment	
Generator or alternator	Type and rating	(c, d, e)	
	Ratio (oil crank/rev)	2.73:1 (c, d) 2.51:1 (e)	--
	Options (type & rating)	None	
Regulator	Type	Integral with alternator	

Electrical - Starting System

Start motor	Current drain at -20°F	235	
Motor drive	Engagement type	Overrunning clutch	Positive shift solenoid
	Pinion engages from (front/rear)	Front	Rear

- (a) - Standard
- (b) - Optional
- (c) - 42 AMP. with heater, 10 SI (22 AMP @ idle)
- (d) - 63 AMP. with heater and heated backlight, 10 SI (23 AMP @ idle)
- (e) - 78 AMP. with A/C, 15 SI (40 AMP @ idle)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR RPO LE2	RPO LH7 (H.O.)
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Electrical - Ignition System

Type	Conventional (std. opt. n.a.)	None
	Transistorized (std. opt. n.a.)	None
	Other (specify)	High Energy Ignition (integral with distributor)
Coil	Make	Delco-Remy
	Model	1115463
	Current	Engine stopped - A 0 Engine idling - A 3.5 Max.
Spark plug	Make	AC
	Model	R44TSX R43CTS R42CTS
	Thread (mm)	M14 x 1.25
	Tightening torque (N-m (lb. ft.))	20-34 (15-25) 9-20 (7-15)
	Gap	1.524 (.060) 1.143 (.045)
Distributor	Make	Delco-Remy
	Model	1103519

Electrical - Suppression

Locations & type	Internal alternator capacitor, non-metallic high-tension cables, resistor spark plugs, ignition coil by-pass capacitor, internal AC blower motor by-pass capacitor & A/C compression diode, with radio provisions; hood grounding clip, engine to dash panel ground strap, fuse block capacitor and on "heater only" blower motors and coax capacitor.
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Electrical - Instruments and Equipment

Speedometer	Type	In-line with pointer
	Trip odometer (std. opt. n.a.)	Not available
EGR maintenance indicator		None
Charge indicator	Type	Tell-Tale warning light (gauge optional)
	Warning device	None
Temperature indicator	Type	Tell-Tale warning light (gauge optional)
	Warning device	None
Oil pressure indicator	Type	Tell-Tale warning light (gauge optional)
	Warning device	None
Fuel indicator	Type	Electric gauge
	Warning device	None
Wind-shield wiper	Type (standard)	Electric 2-speed
	Type (optional)	Intermittent
	Blade length	454 (18")
	Swept area (cm ² (in ²))	5514 (854.9)
Wind-shield washer	Type (standard)	Electric push-button
	Type (optional)	None
	Fluid level indicator	None
Horn	Type	Electric vibrator
	Number used	One
Other	Parking brake warning light & brake failure warning light, restraint system warning light and buzzer, Odometer flag for converter service, "choke" malfunction tell-tale warning light - (California only)	

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LRB	2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR	
	RPO LE2	RPO LH7 (H.O.)

Transmissions

Manual 2-speed (std. opt. n.a.)	Not available
Manual 4-speed (std. opt. n.a.)	Standard
Manual 5-speed (std. opt. n.a.)	Not available
Manual overdrive (std. opt. n.a.)	Not available
Automatic (std. opt. n.a.)	Optional
Automatic overdrive (std. opt. n.a.)	Not available

Manual Transmission

Number of forward speeds	4			
Transmission ratios	In first	3.53	3.53	3.31
	In second	1.95	1.95	1.95
	In third	1.24	1.24	1.24
	In fourth	0.73	0.81	0.81
	In fifth	--	--	--
	In overdrive	--	--	--
	In reverse	3.42	3.42	3.42
Synchronous meshing (specify gears)	All forward gears			
Shift lever location	Floor mounted			
Lubricant	Capacity (L (pt))	2.8 (5.9) (a)		
	Type recommended	SAE-80W or SAE-80W-90 GL5 and Dexron II		
	SAE viscosity number	Summer	SAE-80W or SAE-80W-90 GL5 and Dexron II	
		Winter	SAE-80W or SAE-80W-90 GL5 and Dexron II	
	Extreme cold	SAE-80W GL5 and Dexron II--		

Clutch (Manual Transmission)

Make & type	Belleville spring type, self adjusting		
Type pressure plate springs	Diaphragm		
Total spring load (N (lb))	5538 (1245)		
No. of clutch driven discs	One		
Clutch facings	Material	Woven molded asbestos	
	Manufacturer	Borg & Beck	
	Part number	476600	
	Rivets/plate	36	
	Rivet size	3.6 x 5.4 (.143 x .213)	
	Outside & inside dia	232 x 155 (9.12 x 6.12)	
	Total eff. area (cm ² (in ²))	232 (35.9)	
	Thickness	7.37-7.87 (.290 - .310)	
Engagement cushion method	Driven plate wave spoke springs		
Release bearing	Type & method of lubrication	Ball thrust - prepacked and sealed	
Torsional damping	Method springs friction material	Coil springs & metal to metal friction	

(a) Also lubricant for differential

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb. Engine Code	2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LRB		2.8 LITER V6 (173 CID) 2-BBL. CARBURETOR					
			RPO LE2	RPO LH7	(H.O.)			
Automatic Transmission	FINAL DRIVE	2.39	2.84	FEDERAL 2.53	CALIF 2.85	S.O.P. 3.06	INTERIM 3.33	
Trade name	3-Speed Automatic							
Type (describe)	3-Speed with torque converter							
Selector	Location	Floor mounted on console						
	Ltr/No designation	P-R-N-D-2-1						
Gear ratios	R	2.07						
	D	1.00						
	2	1.60						
	1	2.84						
	Overdrive	Not Applicable						
Max upshift speed - drive range (km/h (mph))		126(78)	116(72)	143(89)	127(79)	126(78)	118(73)	
Max kickdown speed - drive range (km/h (mph))		122(76)	113(70)	138(86)	122(76)	121(75)	113(70)	
Min overdrive speed (km/h (mph))		Not Applicable						
Torque converter	Number of elements	3						
	Max ratio at stall	2.35					1.95	2.35
	Type of cooling (air, liquid)	Liquid						
	Nominal diameter	245 (9.65)						
Lubricant	Capacity (refill L (pt))	4.0L (8.46 pts)						
	Type recommended	Dexron II						
Special transmission features	Single axis type with variable displacement pump. Transverse mounted. Chain driven.							

Axle or Front Wheel Drive Unit

Type (front, rear)	Front		
Description	Front differential with helical gears		
Limited slip differential (type)	None		
Drive pinion offset	Not Applicable		
Drive pinion (type)	Not Applicable		
No. of differential pinions	2		
Pinion adjustment (shim, other)	Not Applicable		
Pinion bearing ad. (shim, other)	Not Applicable		
Driving wheel bearing (type)	Sealed ball bearings (intergal part of bolt-in hub units)		
Lubricant	Capacity (L (pt))	Not applicable, part of automatic transmission assembly	
	Type recommended	which uses Dexron II fluid.	
	SAE viscosity number	Summer	--
		Winter	--
	Extreme cold		

Axle or Transaxle Ratio and Tooth Combinations (See "Power Teams" for axle ratio usage)

Axle ratio or overall ratio		2.84	2.84	3.32	2.84	3.65	3.06
No. of teeth	Pinion	38	37	25	35	23	35
	Ring gear or gear	32	33	83	35	84	35
Ring gear od		198.9(7.83)					
Transaxle	Transfer gear ratio	1.0	1.0	.73	1.0	0.81	1.0
	Final drive ratio	2.39	2.53	2.42	2.84	2.96	3.06

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-Bb1. CARBURETOR RPO LE2 RPO LH7 (H.O.)
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Axle Shafts - Front Wheel Drive

Number used		Two		
Type (straight, solid bar, tubular, etc.)	Left	Straight solid bar		
	Right	Straight solid bar		
Outer diam x length * x wall thickness	Manual transmission	Left	23.81 x 320.8 (0.9375 x 12.63)	
		Right	23.81 x 729.4 (0.9375 x 28.72)	
	Automatic transmission	Left	23.81 x 320.8 (0.9375 x 12.63)	
		Right	23.81 x 421.8 (0.9375 x 16.61)	
	Optional transmission	Left	--	
		Right	--	
Slip yoke	Type	None		
	Number of teeth	None		
	Spline o.d.	None		
Universal joints	Make and mfg no	Inner	Saginaw Steering Gear	
		Outer	Saginaw Steering Gear	
	Number used	4		
	Type, size, plunge	Inner	Double offset design	
		Outer	Rzeppa	
	Attach (u-bolt, clamp, etc.)	--		
Bearing	Type (plain, anti-friction)	--		
	Lubric. (fitting, prepack)	Prepack		
Drive taken through (torque tube, arms or springs)		Wishbone lower control arm; upper MacPherson strut		
Torque taken through (torque tube, arms or springs)		Engine mounting system		

* Centerline to centerline of universal joints, or to centerline of attachment

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Engine Description/Carb.
 Engine Code

2-DOOR NOTCHBACK 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Tires And Wheels (Standard)

Tires	Size (load range, ply)	P185/80R-13 (BW, WS)*		
	Type (bias, radial, etc.)	Glass belted radial		
	Inflation pressure (cold) for recommended max vehicle load	Front (kPa (psi))	240 (35)	
		Rear (kPa (psi))	240 (35)	
	Rev./mile—at 70 km/h (45 mph)	526 (846)		
Wheels	Type & material	Ventilated, semi-styled disc		
	Rim (size & flange type)	13 x 5.5		
	Wheel offset	42 mm		
	Attachment	Type (bolt or stud)	Stud	
		Circle diameter	100 mm	
Number & size		5-M12 x 1.5		
Spare	Tire and wheel (same, if other describe)	14 x 4 wheel; compact spare tire - T125/70D14-415 (60)		
	Storage position & location (describe)	Flat under rear load floor		

* - Not available with RPO F41 sport suspension.

Tires And Wheels (Optional)

Size (load range, ply)	P185/80R-13 (BW, WS)*
Type (bias radial, etc.)	Steel belted radial
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	P205/70R-13 (WL)**
Type (bias radial, etc.)	Steel belted radial
Wheel (type & material)	
Rim (size, flange type and offset)	
Size (load range, ply)	
Type (bias radial, etc.)	
Wheel (type & material)	
Rim (size, flange type and offset)	
Spare tire and wheel (if configuration is different than road tire or wheel describe optional spare tire and/or wheel location & storage position)	

** - Requires RPO F41 sport suspension.

Brakes - Parking

Type of control	Application - foot operated; release - 'T' handle	
Location of control	Under instrument panel, left of steering column	
Operates on	Rear service brakes	
If separate from service brakes	Type (internal or external)	--
	Drum diameter	--
	Lining size (length x width x thickness)	--

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Body Type And/Or
 Engine Displacement

2.5 LITER I4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-Bbl. CARBURETOR RPO LE2 RPO LH7 (H.O.)
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Brakes - Service

Description			
Brake type (std., opt., n.a.)	Front (disc or drum)	Disc	
	Rear (disc or drum)	Drum	
Self-adjusting (std., opt., n.a.)		Standard	
Special valving	Type (proportion, delay, metering, other)	Proportioning. Diagonal split circuit	
Power brake (std., opt., n.a.)		Optional (a) Required option	
Booster type (remote, integral, vac., hyd., etc.)		Tandem	
Anti-skid device type (std., opt., n.a.)		Not available	
Effective area [cm ² (in ²)]*		530.6 (82.26)	
Gross lining area [cm ² (in ²)]**		620.3 (96.17)	
Swept area [cm ² (in ²)]***		1687.2 (261.58)	
Rotor	Outer working diameter	F	247 (9.72)
		R	--
	Inner working diameter	F	--
		R	--
	Thickness	F	22 (0.87)
		R	--
Material & type (vented/solid)	F	Cast iron, vented	
	R	--	
Drum	Diameter (nominal)	F	--
		R	200 x 45 (7.87 x 1.77)
Type and material		Cast iron	
Wheel cylinder bore	Front	74.6 (2.9375)	
	Rear	17 (0.67)	
Master cylinder	Bore	22 (0.87)	
	Stroke	35.52 (1.40)	
Pedal arc ratio		Manual - 6.6:1	
Line pressure at 445 N (100 lb) pedal load [kPa (psi)]		--	
Lining clearance per shoe	Front	Self adjusting	
	Rear	Self adjusting	
Brake lining	Front wheel	Bonded or riveted (rivets/seg)	Riveted, 6
		Rivet size	7.37 x 3.63 (.290 x .143)
		Manufacturer	Delco Moraine
		Lining code	--
		Material	Organic Metallic
		****	Primary or out-board
	Size	Secondary or in-board	125 x 59 x 10.85 (4.92 x 2.32 x 0.430)
		Shoe thickness (no lining)	Inboard - 4.72 (0.186); Outboard - 3.14 (0.124)
	Rear wheel	Bonded or riveted (rivets/seg)	Riveted, 8
		Manufacturer	Delco Moraine
		Lining code	--
		Material	Organic
****		Primary or out-board	167.7 x 43.9 x 3.8 (6.60 x 1.73 x 0.15)
Size		Secondary or in-board	203.3 x 43.9 x 4.8 (8.0 x 1.73 x 0.19)
	Shoe thickness (no lining)	2.75 (.106)	

(a) Required with RPO C60 air conditioning.

* Excludes rivet holes, grooves, chamfers, etc

** includes rivet holes, grooves, chamfers, etc

*** Total swept area for four brakes (Drum brake: Widest lining contact width for each brake x its contact circumference / Disc brake: Square of Outer Working Dia. minus Square of Inner Working Dia. multiplied by Pi/2 for each brake)

**** Size for drum brakes includes length x thickness

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Body Type And/Or
 Engine Displacement

2.5 LITER I4 (151 CID) ELECTRONIC FUEL INJ. RPO LR8	2.8 LITER V6 (173 CID) 2-Bbl. CARBURETOR RPO LE2 RPO LH7 (H.O.)
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Steering

Manual (std., opt., n.a.)		Standard		
Power (std., opt., n.a.)		Optional		
Adjustable steering wheel (tilt, swing, other)	Type and description	Tilt		
	(Std., opt., n.a.)	Optional		
Wheel diameter	Manual	387 (15.2)		
	Power	387 (15.2)		
Turning diameter m (ft.)	Outside front	Wall to wall (l. & r.)	12.5 (41.0)	
		Curb to curb (l. & r.)	11.7 (36.1)	
	Inside rear	Wall to wall (l. & r.)	--	
		Curb to curb (l. & r.)	--	
Manual	Gear	Type	Rack & Pinion	
		Make	Saginaw Steering Gear	
		Ratios	Gear Overall	-- 26.0:1
	No wheel turns (stop to stop)		3.5	
	Power	Type (coaxial, linkage etc.)		Rack & Pinion w/End Take-Off Tie Rods - Integral
Make		Saginaw Steering Gear		
Gear		Type	Rack & Pinion With Integral Power Unit	
		Ratios	Gear Overall	-- 17.5:1
Pump (drive)		'V' Belt		
No wheel turns (stop to stop)		3.13		
Linkage	Type		End Take-Off Tie Rods	
	Location (front or rear of wheels other)		Rear	
	Drag links (trans or longit.)		--	
	Tie rods (one or two)		Two	
Steering axis	Inclination at camber (deg.)		14.5	
	Bearings (type)	Upper	Ball Stud	
		Lower	Ball Stud	
		Thrust	--	
Steering spindle & joint type		--		
Wheel spindle	Diameter	Inner bearing	28.95 (1.1398)	
		Outer bearing	28.95 (1.1398)	
	Thread (size)		M20 x 2.5	
	Bearing (type)		Integral Double Row Ball. Permanently lubricated.	

MVMA Specifications Form
Passenger Car
(METRIC (U.S. Customary))

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Body Type And/Or
 Engine Displacement

2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Wheel Alignment

Front wheel at curb mass (wt.)	Service checking	Caster (deg.)	2.0° +/- 2° left & right side should be equal within 2°
		Camber (deg.)	0.0° +/- 1.0°
		Toe-in (outside track-mm (in.))	0.0° +/- 0.4° total
	Service reset*	Caster	Not Adjustable
		Camber	0.0° +/- 0.5°
		Toe-in	0.0° +/- 0.2° total
	Periodic M.V. in- spection	Caster	Not Adjustable
		Camber	0.0° +/- 1.0°
		Toe-in	0.0° +/- 0.4° total
Rear wheel at curb mass (wt.)	Service checking	Camber (deg.)	
		Toe-in (outside track-mm (in.))	
	Service reset*	Camber	
		Toe-in	
	Periodic M.V. in- spection	Camber	
		Toe-in	

* Indicates pre-set, adjustable, trend set or other

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 9-82 Revised (*) 2-83

Body Type And/Or
 Engine Displacement

2.5 LITER L4 (151 CID) ELECTRONIC FUEL INJ. RPO LRB	2.8 LITER V6 (173 CID) 2-Bbl. CARBURETOR RPO LE2 RPO LH7 (H.O.)
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Suspension - General

Car leveling	Std/opt/n/a	Not available
	Type (air, hyd., etc.)	--
	Manual/auto controlled	--
Provision for brake dip control		Front suspension geometry
Provision for accel equal control		Front suspension geometry
Special provisions for car jacking		Position jack in opening in bumper lower face of front and rear bumpers.
Shock absorber (front & rear)	Type	Front-MacPherson Strut; Rear-direct, Double Acting
	Make	Delco Hydraulic
	Piston diameter	Front- 32 (1.26); Rear - 25 (1.0)
Other special features		--

Suspension - Front

Type and description		MacPherson with coil springs, stamped lower control arms and modular iron steering knuckles.
Travel	Full bounce	95.0 mm (3.7 in)
	Full rebound	89.0 mm (3.5 in)
Spring	Type (coil/leaf/other)	Coil
	Material	Steel
	Size (coil design height & i.d., bar length & dia.)	500.4 x 44.4 x 3082 x 13.4 (19.7 x 1.75 x 121.3 x 0.528)
	Spring rate (N/mm (lb/in))	16.0(91.0) Base & F41, 19.5(111.0) F40, 23.5 (134.0) Z19
	Rate at wheel (N/mm (lb/in))	18.8(107.0) Base & F41, 22.1(126.0) F40, 25.7 (147.0) Z19
Stabilizer	Type (link linkless frameless)	Link
	Material & bar diameter	Steel - 22 (0.866)

Suspension - Rear

Type and description		Trailing arm with stamped control arms and open section transverse beam
Drive and torque taken through		--
Travel	Full bounce	92.0 mm (3.62 in)
	Full rebound	108.0 mm (4.25 in)
Spring	Type (coil/leaf/other)	Coil
	Material	Steel
	Size (length & width coil design height & i.d., bar length & dia.)	364 x 108 x 2550 x 12.2 (14.3 x 4.25 x 100.4 x 0.480)
	Spring rate (N/mm (lb/in))	26.9 (154.0) Base & F41, 32.0 (183.0) F40 & Z19
	Rate at wheel (N/mm (lb/in))	15.5 (88.0) Base & F41, 18.3 (104.0) F40 & Z19
	Mounting insulation (type)	Rubber - top only
	if leaf	No of leaves
	Shackle (comp or tens)	--
Stabilizer	Type (link linkless frameless)	Integral (Standard)
	Material & bar diameter	Seamless Steel tubing; 20 (0.79)
Track bar (type)		Transverse Beam Design; 30 (1.18)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Body Type	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Body -- Miscellaneous Information

Type of finish (lacquer, enamel, other)		Acrylic lacquer or water base acrylic enamel
Hood	Hinge location (front, rear)	Rear
	Type (counterbalance, prop)	No
	Release control (internal, external)	Internal
Trunk lid	Type (counterbalance, other)	Torsion Rods 2-telescoping gas strut rods
	Internal release control (elec. mech., n.a.)	Not available
Bumper front	Bar material & mass (wt.)	Steel 12.054 (26.6)
	Reinforcement material & mass (wt.)	None
Bumper rear	Bar material & mass (wt.)	Steel 12.984 (28.6)
	Reinforcement material & mass (wt.)	None
Vent window control (crank, friction, pivot, power)	Front	None
	Rear	None
Seat cushion type	Front	Polyurethane Padding
	Rear	Polyurethane Padding
	3rd seat	None
Seat back type	Front	Polyurethane Padding
	Rear	Polyurethane Padding
	3rd seat	None
Vehicle ident. no. location		Top left hand in instrument panel pad

Passive Restraint System

Inflatable restraint system	Standard/optional	Not Available
	Type of charging system	--
	Location (sig whl, instru panel, other)	--
Passive seat belts	Standard/optional	Not Available
	Power/manual	--
	2 or 3 point	--
	Knee bar/lap belt	--

Frame

Type and description (separate frame, unitized frame, partially-unitized frame)	Unitized frame. Bolt-on power train cradle (2-piece design) with mounting provisions for suspension lower control arms and engine mounts.
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MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Body Type	2-DOOR	2-DOOR	4-DOOR
	NOTCHBACK COUPE 1XH11	HATCHBACK COUPE 1XX08	HATCHBACK SEDAN 1XX68

Convenience Equipment

Power windows	Side windows	Optional (coupes, front doors; sedans, front & rear doors) (a)
	Vent windows	Not Available
	Backlight or tailgate	Not Available
Power seats (specify type as well as availability)		Not Available
Reclining front seat back (r-l or both)		Not Available
Radio (specify type as well as availability)		Optional-AM Radio with Dual Front Speakers, 1XH11 Model Only. Optional-AM/FM, AM/FM Stereo, AM/FM Stereo w/Cassette Tape (a)
Premium sound system (specify)		Not Available
Rear seat speaker		Optional, Not Available 1XH11 model
Power antenna		Not Available
Clock		Optional, Not Available 1XH11 model
Air conditioner (specify type)		Optional (manual control)
Speed warning device		Not Available
Speed control device		Optional - with automatic transmission & power brakes only (a)
Ignition lock lamp		Not Available
Dome lamp		Standard
Glove compartment lamp		*
Luggage compartment lamp		*
Underhood lamp		*
Courtesy lamp		* Not Available on 1XH11 model
Map lamp		Not Available
Cornering lamp		Not Available
Rear window defroster electrically heated		Optional
Rear window defogger		Not Available
T-bar roof (describe)		Not Available
Sun roof (describe)		Not Available
Theft protection—type		Lock mounted on steering column; locks steering wheel, transmission shift levers and ignition.
(a) Not Available 1XH11 model		
* Available in optional lighting package only consists of following: (a)		
Luggage Compartment Lamp		
Underhood Lamp		
Glove Compartment Lamp		
Ash Tray Lamp		
Courtesy Lamps - Not Available on 1XH11		
Buzzer - Headlamp On		

**MVMA Specifications Form
Passenger Car**

Car Line CITATION
Model Year 1983 Issued 7-23-82 Revised (a) _____

FEATURE HIGHLIGHTS

(Manufacturers selected list of special vehicle features.
Indicate if new or model year introduced)

BODY:

CHASSIS:

ENGINE:

ELECTRICAL:

OTHER:

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 2-83

Vehicle Mass (weight)

Model	CURB MASS. kg (weight, lb.)*			% PASS MASS DISTRIBUTION				SHIPPING MASS kg (weight, lb)**
	Front	Rear	Total	Pass in Front		Pass in Rear		
				Front	Rear	Front	Rear	
2-Door Notchback Coupe 1XH11	694.6 (1531)	416.8 (919)	1111.4 (2450)					1078.2 (2377)
2-Door Hatchback Coupe 1XX08	700.4 (1544)	418.8 (923)	1119.2 (2467)					1085.8 (2394)
4-Door Hatchback Sedan 1XX68	711.9 (1569)	425.3 (938)	1137.2 (2507)					1103.8 (2433)
Curb Weight - The calculated weight of a vehicle with standard equipment, only as designed with the additional load of oils, lubes, coolants, and fuel all filled to capacity.								
Shipping Weight - Same as base curb weight except 8 gallons of gasoline.								

* Reference - SAE J1100a. Motor vehicle dimensions, curb weight definition
 ** Shipping mass (weight) definition -

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (#) _____

Equipment	Optional Equipment Differential Mass (weight)*			Remarks
	MASS kg (weight, lb)			
	Front	Rear	Total	
Air Conditioning	26.6 (+58.6)	1.6 (+3.6)	28.2 (+62.2)	With L-4 Engine
	26.4 (+58.2)	1.6 (+3.6)	28.0 (+61.8)	With V-6 Engine
Power Door Lock System	0.6 (+1.4)	1.0 (+2.2)	1.6 (+3.6)	2-Door Models
	0.8 (+1.8)	2.2 (+4.8)	3.0 (+6.6)	4-Door Models
Power Windows	1.4 (+3.0)	1.0 (+2.2)	2.4 (+5.2)	2-Door Models
	2.6 (+5.8)	2.8 (+6.2)	5.4 (+12.0)	4-Door Models
Power Steering	9.8 (+21.6)	0.2 (+0.4)	10.0 (+22.0)	Required with Air Conditioning
Power Brakes	3.4 (+7.4)	0.6 (+1.4)	4.0 (+8.8)	Required with V6 Engine and Air Conditioning
Floor Mats Color Keved. Front & Rear	1.6 (+3.6)	1.6 (+3.6)	3.2 (+7.2)	
Defogger Electric Rear Window	0 (0)	0.6 (+1.4)	0.6 (+1.4)	
Seat-Reclining Passenger Backrest	2.8 (+6.2)	2.8 (+6.2)	5.6 (+12.4)	Requires Coupe Type Front Seat or Bucket Seat.
Windows - Rear quarter swing out				Includes R.H. and L.H. Remote Control
	0 (0)	0.8 (+1.8)	0.8 (+1.8)	1XX08
	0 (0)	1.4 (+3.1)	1.4 (+3.1)	1XX68

* Also see Engine - General Section for dressed engine mass (weight)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*)

Optional Equipment Differential Mass (weight)*

Equipment	MASS, kg (weight, lb.)			Remarks
	Front	Rear	Total	
Sport Equipment Package	5.2 (+11.5)	8.4 (+18.5)	13.6 (+30.0)	1XX08 only
Deluxe Exterior	0.6 (+1.3)	1.4 (+3.1)	2.0 (+4.4)	
Quiet Sound Group	4.8 (+10.6)	6.0 (+13.2)	10.8 (+23.8)	1XX08
	4.6 (+10.1)	6.0 (+13.2)	10.6 (+23.3)	1XX68
Electric Rear Window Defogger	0 (0)	0.6 (+1.4)	0.6 (+1.4)	
Moldings - Body Side	0.4 (+0.8)	0.4 (+0.8)	0.8 (+1.6)	
Mirrors - Outside Rear View	0.8 (+1.8)	0.4 (+0.8)	1.2 (+2.6)	Sport Mirrors L.H. Remote, R.H. Convex Manual, Body Color.
Console - Front Compartment	1.4 (+3.0)	1.2 (+2.6)	2.6 (+5.6)	Manual Transmission requires A51 Bucket Seats, Power Brakes.
	2.2 (+4.8)	2.2 (+4.8)	4.4 (+9.6)	Automatic Transmission requires A51 Bucket Seats, Power Brakes.
Control - Automatic Speed	2.4 (+5.3)	0 (0)	2.4 (+5.3)	Available only with .150 Power Brakes.
Wheel Aluminum	-2.0 (-4.4)	-2.0 (-4.4)	-4.0 (-8.8)	
Wheel, Tilt Steering	0.6 (+1.3)	0.6 (+1.3)	1.2 (+2.6)	
Covers - Full Wheel	0.6 (+1.3)	0.6 (+1.3)	1.2 (+2.6)	Requires black paint treatment on wheels.
Deluxe Wheel Trim Rings and Hub Caps	0.6 (+1.3)	0.6 (+1.3)	1.2 (+2.6)	Not available with 719.
Bumper Rub Strips Front & Rear	0.4 (+0.8)	0.4 (+0.8)	0.8 (+1.6)	Included in 719.

* Also see Engine - General Section for dressed engine mass (weight)

IVMA Specifications Form
Passenger Car
ETRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*)

Optional Equipment Differential Mass (weight)*

Equipment	MASS kg (weight lb.)			Remarks
	Front	Rear	Total	
Sport Suspension Front & Rear	1.2 (+2.6)	0.4 (+0.8)	1.6 (+3.4)	Included with Z19 Requires QPU Tire
Bumper Guards Front & Rear	0.4 (+0.8)	0.4 (+0.8)	0.8 (+1.6)	
Battery, Heavy Duty	7.0 (+13.2)	-0.8 (-1.8)	5.2 (+11.5)	
Radio AM/FM	0.2 (+0.4)	0 (0)	0.2 (+0.4)	
Radio AM/FM Stereo	0.2 (+0.4)	0 (0)	0.2 (+0.4)	
Radio AM/FM Stereo with Cassette Tape	2.0 (+4.4)	0.8 (+1.8)	2.8 (+6.2)	
Radio AM Pushbutton	1.2 (+2.6)	0.6 (+1.3)	1.8 (+3.9)	Optional 1XH11, Base 1XX08 & 68
Speakers, Dual Rear	-0.2 (-0.4)	2.2 (+4.8)	2.0 (+4.4)	
2.8 Liter V6 173 CID RPO LE2	25.4 (+56.0)	-0.4 (-0.9)	25.0 (+55.1)	Requires J50 Power Brakes
2.8 Liter V6 173 CID RPO LH7	25.4 (+56.0)	-0.4 (-0.9)	25.0 (+55.1)	1XX08 Model only, with Z19
Automatic Transmission	20.9 (+46.1)	0 (0)	20.9 (+46.1)	Used with I4, RPO LR8 Engine
	22.4 (+49.4)	0 (0)	22.4 (+49.4)	Used with V6, RPO LE2 Engine

* Also see Engine - General Section for dressed engine mass (weight)

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Car and Body Dimensions See Key Sheets for definitions

All dimensions to ground are for comparative purposes only. Dimensions are to be shown for all base body models of each car line
 SAE Ref. no. refers to the definition published in SAE Recommended Practice
 J1100a "Motor Vehicle Dimensions," unless otherwise specified.

Body Type	SAE Ref. No.	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Width

Tread (front)	W101	1492 (58.7)		
Tread (rear)	W102	1447 (57.0)		
Vehicle width	W103	1736 (68.3)		
Body width at Sg RP (front)	W117	1730 (68.1)		1727 (68.0)
Vehicle width (front doors open)	W120	3680 (144.9)		3219 (126.7)
Vehicle width (rear doors open)	W121	--		2857 (112.5)

Length

Wheelbase	L101	2664 (104.9)		
Vehicle length	L103	4488 (176.7)		
Overhang (front)	L104	897 (35.3)		
Overhang (rear)	L105	927 (36.5)		
Upper structure length	L123	2476 (97.5)	2752 (108.3)	
Rear wheel C/L "X" coordinate	L127	2459 (96.8)		
Cowl point "X" coordinate	L125	215 (8.5)		

Height **

Passenger distribution (f/r/r)	PD1.2.3		**	
Trunk/cargo load			**	
Vehicle height	H101	1348 (53.1)	1369 (53.9)	
Cowl point to ground	H114	900 (35.4)	912 (35.9)	
Deck point to ground	H138			
Rocker panel-front to ground	H112	204 (8.0)	217 (8.6)	
Bottom of door closed-front to grd	H133	265 (10.4)	286 (11.3)	
Rocker panel-rear to ground	H111	192 (7.6)	216 (8.5)	
Bottom of door closed-rear to grd	H135	--		286 (11.3)

Ground Clearance **

Front bumper to ground	H102	351 (13.8)	357 (14.1)	
Rear bumper to ground	H104	297 (11.7)	329 (13.0)	
Bumper to ground (front at curb mass (wt.))	H103	375 (14.8)		
Bumper to ground (rear at curb mass (wt.))	H105	356 (14.0)		
Angle of approach	H106	19.2°		
Angle of departure	H107	20.9°		
Ramp breakover angle	H147	16.0°		
Rear axle differential to ground	H153	297 (11.7)		
Min. running ground clearance	H156	136 (5.3)	142 (5.6)	
Location of min run grd clear		Frame between wheels		

All linear dimensions are in millimeters (inches) and all mass (weight) specifications are in kilograms (pounds)

**** All Vehicle Height And Ground Clearances Are Made Using EPA Loaded Vehicle Weight, Loading Conditions.**

EPA LOADED VEHICLE WEIGHT is The Base Vehicle Weight Plus All Coolant And Fluids Necessary For Operation Plus 100% Of The Fuel Capacity, Plus The Weight Of All Options And Accessories Which Weigh Three Pounds Or More And Which Are Sold On At Least 33% Of The Car Line, Plus Two Occupants.

IVMA SPECIFICATIONS FORM

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Body Type	SAE Ref. No.	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Front Compartment

Sg RP front, "X" coordinate	L31	1138 (44.8)		
Effective head room	H61	968 (38.1)		
Max. eff. leg room (accelerator)	L34	1073 (42.2)		
Sg RP (front to heel)	H30	257 (10.1)		
Design H-point front travel	L17	192 (7.6)		
Shoulder room	W3	1428 (56.2)		1421 (55.9)
Hip room	W5	1400 (55.1)		
Upper body opening to ground	H50	1225 (48.2)	1235 (48.6)	
Steering wheel angle	H18	22.0°		
Back angle	L40	25.0°		

Rear Compartment

Sg RP Point couple distance	L50	786 (30.9)		
Effective head room	H63	952 (37.5)	958 (37.7)	957 (37.7)
Min. effective leg room	L51	880 (34.6)		904 (35.6)
Sg RP (second to heel)	H31	259 (10.2)		261 (10.3)
Knee clearance	L48	11 (0.4)		24 (0.9)
Compartment room	L3	678 (26.7)		
Shoulder room	W4	1428 (56.2)		1430 (56.3)
Hip room	W6	1366 (53.8)		1397 (55.0)
Upper body opening to ground	H51	--	--	1232 (48.5)

Luggage Compartment

Usable luggage capacity (L (cu ft.))	V1	355 (12.5)	--	--
Liftover height	H195	528 (20.8)	552 (21.7)	

All linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

All Interior Dimensions Are Measured With The Seating Reference Point (SgRP) _____ mm
 (1 Seat Adjuster Notch) Forward Of Rearmost Seat Position.

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Body Type	SAE Ref. No.	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Station Wagon - Third Seat

Shoulder room	W85	
Hip room	W86	
Effective leg room	L86	NOT
Effective head room	H86	APPLICABLE
Effective T-point head room	H89	
Seat facing direction	SD1	

Station Wagon - Cargo Space

Cargo length (open front)	L200	
Cargo length (open second)	L201	
Cargo length (closed front)	L202	
Cargo length (closed second)	L203	
Cargo length at bell (front)	L204	
Cargo length at bell (second)	L205	NOT
Cargo width (wheelhouse)	W201	APPLICABLE
Rear opening width at floor	W203	
Opening width at bell	W204	
Max rear opening width above bell	W205	
Cargo height	H201	
Rear opening height	H202	
Tailgate to ground height	H250	
Front seat back to load floor height	H197	
Cargo volume index - L (cu.ft.)	V2	
Hidden cargo volume - L (cu. ft.)	V4	

Hatchback - Cargo Space

Front seat back to load floor height	H197		501 (19.7)	508 (20.0)
Cargo length at front seat back height	L208	NOT	1172 (46.1)	1174 (46.2)
Cargo length at floor (front)	L209	APPLICABLE	1606 (63.2)	
Cargo volume index - L (cu.ft.)	V3		994 (35.1)*	1010 (35.7)*
Hidden cargo volume - L (cu. ft.)	V4			

A printed or computer tape supplement containing additional car and body dimensions and/or drawings (based in part on SAE J1100a "Motor Vehicle Dimensions") may be available from the manufacturer.

All dimensions are in millimeters (inches)

* V-11-Hatchback, cargo volume index - second seat-up, 1XX08-555 (19.6),
 1XX68-556 (19.6)

IVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Car and Body Dimensions See Key Sheets for definitions

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) _____

Body Type	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Vehicle Fiducial Marks

Fiducial Mark Number*	Define Coordinate Location
Front	X - Fiducial mark to vertical base grid line - front, measured horizontally from base grid line to the front fiducial mark located on top of front seat adjuster mounting bolt.
	Y - Fiducial mark to centerline of car - front, width measurement made from centerline of car to the fiducial mark located on top of the front seat adjuster mounting bolt.
	Z - Fiducial mark to horizontal base grid line - front, measured vertically from base grid line to front fiducial mark located on top of the front seat adjuster mounting bolt.
Rear	X - Fiducial mark to vertical base grid line - rear, measured horizontally from the base grid line to rear fiducial mark located on rear underbody crossbar.
	Y - Fiducial mark to centerline of car - rear, width measurement made from centerline of car to fiducial mark located on rear underbody crossbar.
	Z - Fiducial mark to horizontal base grid line - rear, measured vertically from base grid line to rear fiducial mark located on rear underbody crossbar.
Front	W21 563 (22.2)
	L54 2770 (109.1)
	H81 259 (10.2)
	H161 302 (11.9)
	** H163 277 (10.9)
Rear	W22 489 (19.2)
	L55 5016 (197.5)
	H82 386 (15.2)
	H162 432 (17.0)
	** H164 402 (15.8)

Reference - SAE Recommended Practice, J182a, Motor Vehicle Fiducial Marks - September, 1973
 All linear dimensions are in millimeters (inches).

** EPA Loaded Vehicle Weight, Loading Conditions

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
Car and Body Dimensions See Key Sheets for definitions

Car Line CITATION
 Model Year 1983 Issued 7-23-82 Revised (*) 9-82

Body Type	SAE Ref. No.	2-DOOR NOTCHBACK COUPE 1XH11	2-DOOR HATCHBACK COUPE 1XX08	4-DOOR HATCHBACK SEDAN 1XX68
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Glass

Backlight slope angle (deg.)	H121	54.5°	65.0°	
Windshield slope angle (deg.)	H122	57.0°		
Tumble-Home (deg.)	W122	22.0°		
Windshield glass exposed surface area [cm²(in²)]	S1	8362 (1296.1)		
Side glass exposed surface area [cm²(in²)]	S2	11126 (1724.5)	12935 (2004.9)	12863 (1993.8)
Backlight glass exposed surface area [cm²(in²)]	S3	6699 (1038.3)	7216 (1118.5)	
Total glass exposed surface area [cm²(in²)]	S4	26187 (4058.9)	28513 (4419.5)	28441 (4408.4)
Windshield glass (type)		Curved - Laminated Plate		
Side glass (type)		Curved - Tempered Plate		
Backlight glass (type)		Curved - Tempered Plate		

Lamps and Headlamp Shape*

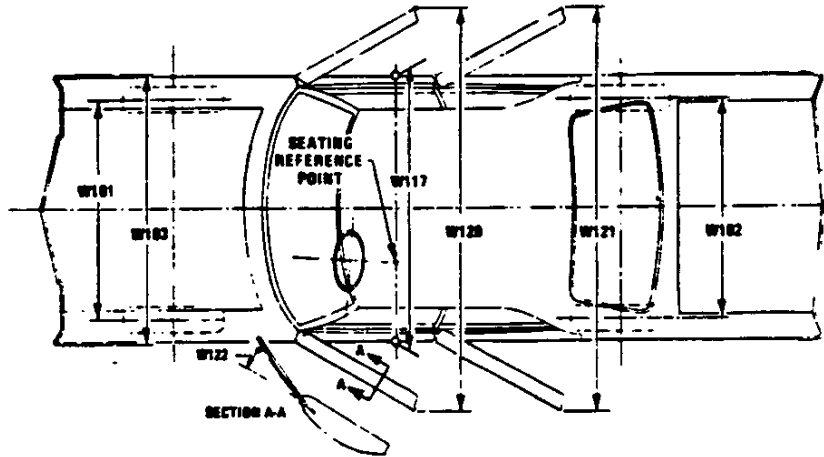
Height above ground to center of bulb or marker	Headlamp (H127)	Highest**	660 (26.0)
		Lowest	--
	Taillamp (H128)	Highest**	645 (25.4)
		Lowest	--
Sidemarkers	Front	610 (24.0)	
	Rear	646 (25.4)	
Distance from C/L of car to center of bulb	Headlamp	Inside	--
		Outside**	615.0 (24.2)
	Taillamp	Inside	--
		Outside**	690.0 (27.2)
	Directional	Front	412.0 (16.2)
		Rear	690.0 (27.2)
Headlamp shape		Rectangular	

* Measured at curb mass (weight)
 ** If single lamps are used enter here.

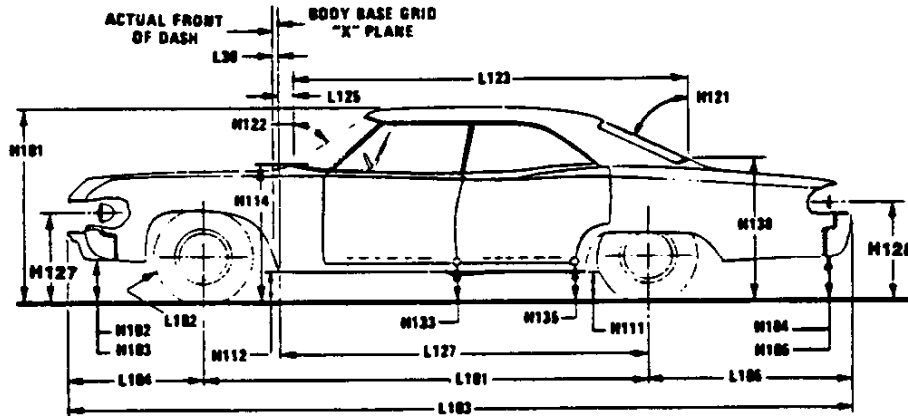
**MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)**

Exterior Car And Body Dimensions — Key Sheet

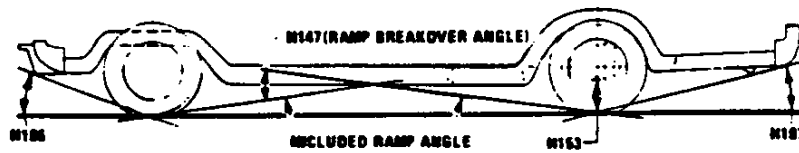
Exterior Width



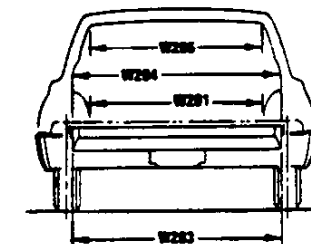
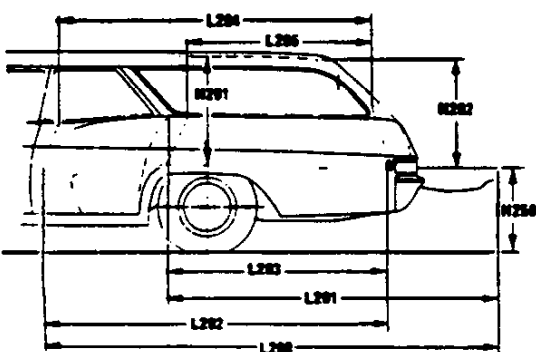
Exterior Length & Height



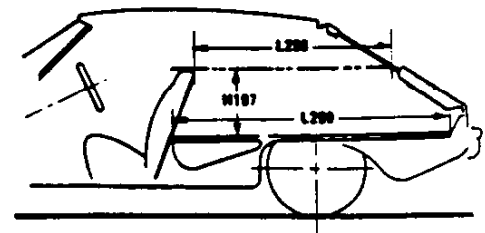
Exterior Ground Clearance



Cargo Space



Station Wagon

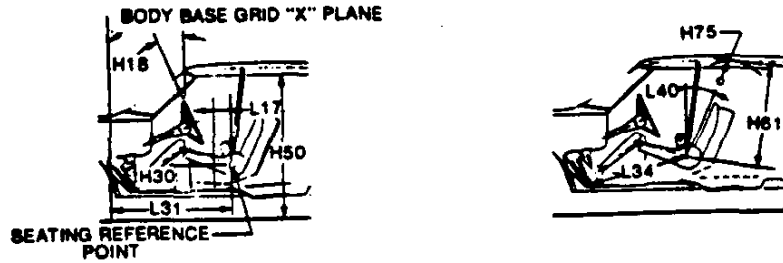


Hatchback

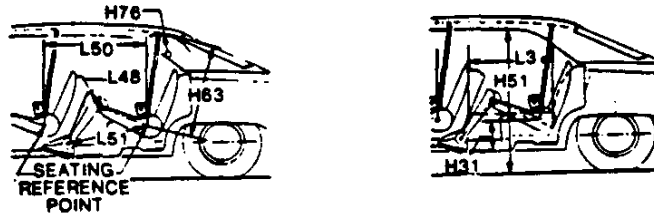
MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)

Interior Car And Body Dimensions – Key Sheet

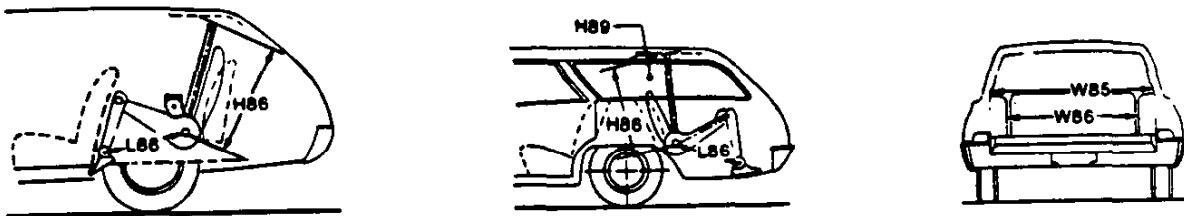
Front Compartment



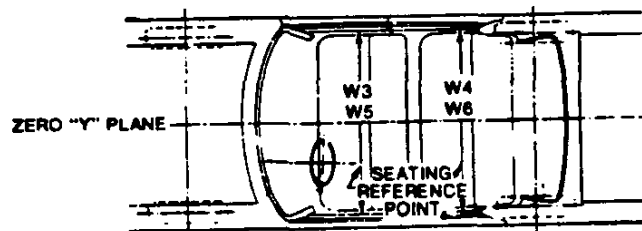
Rear Compartment



Third Seat



Interior Width



MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Exterior Car And Body Dimensions — Key Sheet

Dimensions Definitions

Seating Reference Point

SEATING REFERENCE POINT means the manufacturer's design reference point which —

- (a) Establishes the rearmost normal design driving or riding position of each designated seating position in a vehicle;
- (b) Has coordinates established relative to the design vehicle structure;
- (c) Simulates the position of the pivot center of the human torso and thigh; and
- (d) Is the reference point employed to position the two dimensional templates described in SAE Recommended Practice J826, "Manikins for Use in Defining Vehicle Seating Accommodations," November 1962.

Width Dimensions

- W101 TREAD—FRONT. The dimension measured between the tire centerlines at the ground.
- W102 TREAD—REAR. The dimension measured between the tire centerlines at the ground. In case of dual wheels, the dimension will be measured to the centerline of tire and wheel assemblies.
- W103 VEHICLE WIDTH. The maximum dimension measured between the widest point on the vehicle, excluding exterior mirrors, flexible mud flaps, marker lamps, but including bumpers, moldings, sheet metal protrusions or dual wheels, if standard equipment.
- W117 BODY WIDTH AT SgRP—FRONT. The dimension measured laterally between the widest points on the body at the SgRP-front, excluding door handles, applied moldings, or appliques.
- W120 VEHICLE WIDTH—FRONT DOORS OPEN. The dimension measured between the widest point on the front doors in maximum hold-open position.
- W121 VEHICLE WIDTH—REAR DOORS OPEN. The dimension measured between the widest point on the rear doors in maximum hold-open position. For vehicles with a rear door on only one side, this dimension is to the zero "Y" plane.
- W122 TUMBLE HOME STRAIGHT SIDE GLASS. The angle measured from a vertical to the outside surface of the front door glass at the SgRP "X" plane.
CURVED SIDE GLASS. The angle measured from a vertical to a chord extending from the upper DLO to the lower DLO at the outside surface of the front door glass at the front SgRP "X" plane.

Length Dimensions

- L30 FRONT OF DASH "X" COORDINATE. A minus (-) dimension indicates actual front of dash in forward of the zero "X" plane.
- L101 WHEELBASE (WB). The dimension measured longitudinally between front and rear wheel centerlines. In case of dual rear axles, the dimension shall be to the midpoint of the centerlines of the rear wheels.
- L102 TIRE SIZE. As specified by the manufacturer.
- L103 VEHICLE LENGTH. The maximum dimension measured longitudinally between the foremost point and the rearmost point on the vehicle, including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.
- L104 OVERHANG—FRONT. The dimension measured longitudinally from the centerline of the front wheels to the foremost point on the vehicle including bumper, bumper guards, tow hooks and/or rub strips, if standard equipment.

- L105 OVERHANG—REAR. The dimension measured longitudinally from the centerline of the rear wheels, or in the case of dual rear axles, the dimension shall be the midpoint of the centerlines of the rear wheels, to the rearmost point on the vehicle, including rear bumpers, bumper guards, tow hooks and rub strips, if standard equipment.
- L123 UPPER STRUCTURE LENGTH. The dimension measured longitudinally from the cowl point to the deck point.
- L127 REAR WHEEL CENTERLINE "X" COORDINATE. In the case of dual rear axles, the coordinate shall be in the midpoint of the distance between the rear axle centerlines.
- L125 COWL POINT "X" COORDINATE.

Height Dimensions

- H101 VEHICLE HEIGHT. The dimension measured vertically from the highest point on the vehicle body to ground.
- H114 COWL POINT TO GROUND. Measured at zero "Y" plane.
- H138 DECK POINT TO GROUND. Measured at zero "Y" plane.
- H112 ROCKER PANEL—FRONT TO GROUND. The dimension measured vertically from the foremost point on the bottom of the rocker panels, excluding flanges, to ground.
- H132 BOTTOM OF DOOR OPEN—FRONT TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H111 ROCKER PANEL—REAR TO GROUND. The dimension measured vertically from the bottom of the rocker or side quarter panel at the front of the rear wheel opening, excluding flanges, to ground.
- H134 BOTTOM OF DOOR OPEN—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum hold-open position, to ground.
- H135 BOTTOM OF DOOR CLOSED—REAR TO GROUND. The dimension measured vertically from the bottom outside corner of the door on the lock pillar side, in maximum closed position, to ground.
- H121 BACKLIGHT SLOPE ANGLE. The angle between the vertical reference line and the surface of backlight at vehicle zero "Y" plane. For curve backlight, the angle is to chord of backlight arc from lower DLO to upper DLO.
- H122 WINDSHIELD SLOPE ANGLE. The angle between the vertical reference line and a chord of the windshield are running from the lower DLO to the upper DLO at the vehicle zero "Y" plane. In the case of wrap over glass, the angle to be measured will be formed by a chord 457 mm (18.0 in.) long drawn from the lower DLO to the intersecting point on the windshield.
- H127 HEADLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the lowest headlamp lens to ground.
- H128 TAILLAMP TO GROUND—CURB MASS (WT.). The dimension measured vertically from the centerline of the upper bulb to ground.

Ground Clearance Dimensions

- H102 FRONT BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the front bumper to ground, including bumper guards, if standard equipment.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions - Key Sheet

Dimensions Definitions

H103	FRONT BUMPER TO GROUND CURB MASS (WT.). Measured in the same manner as H104.	H18	STEERING WHEEL ANGLE. The angle measured from a vertical to the surface plane of the steering wheel.
H104	REAR BUMPER TO GROUND. The minimum dimension measured vertically from the lowest point on the rear bumper to ground, including bumper guards, if standard equipment.	L40	BACK ANGLE—FRONT. The angle measured between a vertical line through the SgRP—front and the torso line. If the seatback is adjustable, use the normal driving and riding position specified by the manufacturer.
H105	REAR BUMPER TO GROUND—CURB MASS (WT.). Measured in the same manner as H104.	Rear Compartment Dimensions	
H106	ANGLE OF APPROACH. The angle measured between a line tangent to the front tire static loaded radius are the initial point of structural interference forward of the front tire to ground. The limiting structural component shall be designated.	PD2	PASSENGER DISTRIBUTION—SECOND.
H107	ANGLE OF DEPARTURE. The angle measured between a line tangent to the rear tire static loaded radius are the initial point of structural interference rearward of the rear tire to ground. The limiting component shall be designated.	L50	SgRP COUBLE DISTANCE. The dimension measured horizontally from the driver SgRP—front to the SgRP—second.
H147	REAR BREAKOVER ANGLE. The angle measured between two lines tangent to the front and rear tire static loaded radius and intersecting at a point on the underside of the vehicle which defines the largest ramp over which the vehicle can roll.	H63	EFFECTIVE HEAD ROOM—SECOND. The dimension measured along a line 8 deg rear of vertical from the SgRP to the headlining, plus 102 mm (4.0 in.).
H153	REAR AXLE DIFFERENTIAL TO GROUND. The minimum dimension measured from the rear axle differential to ground.	H76	EFFECTIVE T-POINT HEAD ROOM—SECOND. Measured in the same manner as H75.
H156	MINIMUM RUNNING GROUND CLEARANCE. The minimum dimension measured from the sprung vehicle to ground. Specify location.	L51	MINIMUM EFFECTIVE LEG ROOM—SECOND. The dimension measured along a line from the ankle pivot center to the SgRP—second plus 254 mm (10.0 in.).
Front Compartment Dimensions		H31	SgRP—SECOND TO HEEL. The dimension measured vertically from the SgRP—second to the two dimensional device heel point on the depressed floor covering.
PD1	PASSENGER DISTRIBUTION—FRONT.	L48	KNEE CLEARANCE—SECOND. The minimum dimension measured from the knee pivot to the back of front seatback minus 51 mm (2.0 in.).
L31	SgRP—FRONT "X" COORDINATED.	L3	COMPARTMENT ROOM—SECOND. The dimension measured horizontally from the back of front seat to the front of the second seatback at a height tangent to the top of the second seat cushion.
H61	EFFECTIVE HEAD ROOM—FRONT. The dimension measured along a line 8 deg rear of vertical from the SgRP—front to the headlining plus 102 mm (4.0 in.).	W4	SHOULDER ROOM—SECOND. The minimum dimension measured laterally between trimmed surfaces on the "X" plane through the SgRP—second within 254-406 mm (10.0-16.0 in.) above the SgRP—second.
H75	EFFECTIVE T-POINT HEAD ROOM—FRONT. The minimum radius from the T-point to the headlining plus 762 mm (30 in.).	W6	HIP ROOM—SECOND. Measured in the same manner as W5.
L34	MAXIMUM EFFECTIVE LEG ROOM—ACCELERATOR. The dimension measured along a line from the ankle pivot center to the SgRP—front plus 254 mm (10.0 in.) measured with right foot on the un-depressed accelerator pedal. For vehicles with SgRP to heel (H30) greater than 18 in., the accelerator pedal may be depressed as specified by the manufacturer. If the accelerator is depressed, the manufacturer shall place foot flat on pedal and note the depression of the pedal.	H51	UPPER BODY OPENING TO GROUND—SECOND. The dimension measured vertically from the trimmed body opening to the ground on the "X" plane 330 mm (13.0 in.) forward of the SgRP—second.
H30	SgRP—FRONT TO HEEL. The dimension measured vertically from the SgRP—front to the accelerator heel point.	Luggage Compartment Dimensions	
L17	DESIGN H-POINT—FRONT TRAVEL. The dimension measured horizontally between the design H-point—front in the foremost and rearmost seat trace positions.	V1	USABLE LUGGAGE CAPACITY—Total of volumes of individual pieces of standard luggage set plus H-boxes stowed in the luggage compartment in accordance with the procedure described in paragraph 8.2 of SAE-J1100a.
W3	SHOULDER ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within the belt line and 254 mm (10.0 in.) above the SgRP—front.	H195	LIFTOVER HEIGHT. The dimension measured vertically from the luggage compartment lower opening at the zero "Y" plane to ground.
W5	HIP ROOM—FRONT. The minimum dimension measured laterally between the trimmed surfaces on the "X" plane through the SgRP—front within 25 mm (1.0 in.) below and 76 mm (3.0 in.) above the SgRP—front and 76 mm (3.0 in.) fore and aft the SgRP—front.	Station Wagon - Third Seat Dimensions	
H150	UPPER BODY OPENING TO GROUND—FRONT. The dimension measured vertically from the trimmed body opening to the ground on the SgRP—front "X" plane.	PD3	PASSENGER DIRECTION—THIRD.
		W85	SHOULDER ROOM—THIRD. Measured in the same manner as W5.
		W86	HIP ROOM—THIRD. Measured in the same manner as W5.
		L86	EFFECTIVE LEG ROOM—THIRD. The dimension measured along a line from the ankle pivot center to the SgRP—third, plus 254 mm (10.0 in.).
		H86	EFFECTIVE HEAD ROOM—THIRD. The dimension, measured along a line 8 deg from the SgRP—third to the headlining rear of vertical plus a constant of 102 mm (4.0 in.).
		H89	EFFECTIVE T-POINT HEAD ROOM—THIRD. Measured in the same manner as H75.

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Interior Car And Body Dimensions —Key Sheet

Dimensions Definitions

Station Wagon — Cargo Space Dimensions

- L200** CARGO LENGTH—OPEN—FRONT. The minimum dimension measured longitudinally from the back of the front seatback at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the open tailgate or cargo surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L201** CARGO LENGTH—OPEN—SECOND. The dimension measured longitudinally from the back of the second seatback at the height of the undepressed floor covering on the open tailgate or cargo floor surface if the rear closure is a conventional door type tailgate, at the zero "Y" plane.
- L202** CARGO LENGTH—CLOSED—FRONT. The minimum dimension measured horizontally from the back of the front seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L203** CARGO LENGTH—CLOSED—SECOND. The dimension measured horizontally from the back of the second seat at the height of the undepressed floor covering to the rearmost point on the undepressed floor covering on the closed tailgate or taildoor for station wagons, trucks and mpv's at the zero "Y" plane.
- L204** CARGO LENGTH AT BELT—FRONT. The minimum dimension measured horizontally from the back of the front seatback at the seatback top to the foremost normal surface of the closed tailgate or inside surface of the Cab back panel at the height of the belt, on the zero "Y" plane.
- L205** CARGO LENGTH AT BELT—SECOND. The minimum dimension measured horizontally from the back of the second seatback at the seatback top to the foremost normal surface of the closed tailgate at the height of the belt, on the zero "Y" plane.
- W201** CARGO WIDTH—WHEELHOUSE. The minimum dimension measured laterally between the trimmed wheelhousings at floor level. For any vehicle not trimmed, measure the sheet metal.
- W203** REAR OPENING WIDTH AT FLOOR. The minimum dimension measured laterally between the limiting interferences of the rear opening at floor level.
- W204** REAR OPENING WIDTH AT BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening at belt height or top of pick up box.
- W205** REAR OPENING WIDTH ABOVE BELT. The minimum dimension measured laterally between the limiting interferences of the rear opening above the belt height.

H201 CARGO HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the headlining at the rear wheel "X" coordinated on the zero "Y" plane.

H202 REAR OPENING HEIGHT. The dimension measured vertically from the top of the undepressed floor covering to the upper trimmed opening on the zero "Y" plane with rear door fully open.

H250 TAILGATE TO GROUND (CURB MASS WT.) The dimension measured vertically from the top of the undepressed floor covering on the lowered tailgate to ground on the zero "Y" plane.

V2 STATION WAGON
Measured in inches:

$$\frac{W4 \times H201 \times L204}{1728} = \text{ft}^3$$

Measured in mm:

$$\frac{W4 \times H201 \times L204}{10^9} = \text{m}^3(\text{cubic meter})$$

V4 HIDDEN CARGO VOLUME. As specified by the manufacturer.

Hatchback — Cargo Space Dimensions

All hatchback cargo dimensions are to be taken with the front seat in full down and rear position, and the rear seat folded down. The hatchback door is in the closed position (For electrically adjusted seats, see the manufacturer's specifications for Design "H" Point)

H197 FRONT SEATBACK TO LOAD HEIGHT. The dimension measured vertically from the horizontal tangent to the top of the seatback to the undepressed floor covering.

L208 CARGO LENGTH AT FRONT SEATBACK HEIGHT. The minimum horizontal dimension from the "X" plane tangent to the rearmost surface of the driver's seatback to the inside limiting interference of the hatchback door on the vehicle zero "Y" plane.

L209 CARGO LENGTH AT FLOOR—FRONT—HATCHBACK. The minimum horizontal dimension measured at floor level from the rear of the front seatback to the normal limiting interference of the hatchback door on the vehicle zero "Y" plane.

V3 HATCHBACK.
Measured in inches:

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{ft}^3$$

Measured in mm:

$$\frac{L208 + L209}{2} \times W4 \times H197 = \text{m}^3(\text{cubic meter})$$

MVMA Specifications Form

Passenger Car

METRIC (U.S. Customary)

Index

Subject	Page No.	Subject	Page No.
Alternator.....	8	Kingpin (Steering Axis).....	15
Automatic Transmission.....	11	Lamps and Headlamp Shape.....	27
Axis, Steering.....	15	Legroom.....	24, 25
Axle, Rear.....	12	Lengths — Car and Body.....	23
Axle Shafts.....	12	Leveling, Suspension.....	17
Battery.....	8	Lifters, Valve.....	4
Brakes — Parking, Service.....	13, 14	Linings — Clutch, Brake.....	10, 14
Camber.....	16	Lubrication.....	4, 10, 11
Camshaft.....	3	Luggage Compartment.....	24
Capacities.....		Mass.....	21, 22
Cooling System.....	6	Models.....	1
Fuel Tank.....	5	Motor Starting.....	8
Lubricants.....		Muffler.....	4
Engine Crankcase.....	3	Passenger Capacity.....	1
Transmission.....	11	Passenger Mass Distribution.....	21
Rear Axle.....	12	Passive Restraint System.....	18
Car Models.....	1	Pistons.....	3
Car and Body Dimensions.....		Power Brakes.....	14
Width.....	23	Power, Engine.....	2
Length.....	23	Power Steering.....	15
Height.....	23	Power Teams.....	2
Ground Clearance.....	23	Propeller Shaft, Universal Joints.....	12
Front Compartment.....	24	Pumps — Fuel.....	5
Rear Compartment.....	24	Water.....	6
Luggage Compartment.....	24	Radiator — Cap, Hoses.....	6
Station Wagon — Third Seat.....	25	Ratios — Axle.....	2, 11
Station Wagon — Cargo Space.....	25	Compression.....	2
Hatchback — Cargo Space.....	25	Steering.....	15
Carburetor.....	2, 5	Transmission.....	2, 10, 11
Caster.....	16	Rear Axle.....	2, 11, 12
Choke, Automatic.....	5	Regulator — Generator.....	8
Clutch — Pedal Operated.....	10	Rims.....	13
Coil, Ignition.....	9	Rods — Connecting.....	4
Connecting Rods.....	4	Seats.....	18
Convenience Equipment.....	19	Shock Absorbers, Front & Rear.....	17
Cooling System.....	6	Spark Plugs.....	9
Crankshaft.....	4	Speedometer.....	9
Cylinders and Cylinder Head.....	3	Springs — Front & Rear Suspension.....	17
Diesel Information.....	4	Stabilizer (Sway Bar) — Front & Rear.....	17
Dimension Definitions.....		Starting System.....	8
Key Sheet — Exterior.....	28, 30	Steering.....	15
Key Sheet — Interior.....	29, 31, 33	Suppression — Ignition, Radio.....	9
Electrical System.....	8, 9	Suspension — Front & Rear.....	17
Emission Controls.....	7	Tail Pipe.....	4
Engine.....		Theft Protection.....	19
Bore, Stroke, Type.....	3	Thermostat, Cooling.....	6
Compression Ratio.....	2	Tires.....	13
Displacement.....	2, 3	Toe-In.....	16
Firing Order, Cylinder Numbering.....	3	Torque Converter.....	12
General Information, Power & Torque.....	2	Torque — Engine.....	2
Identification Number Location.....	18	Transaxle.....	11
Power Teams.....	2	Transmission — Types.....	2, 10, 11
Exhaust System.....	7	Transmission — Automatic.....	2, 10, 11
Equipment Availability, Convenience.....	19	Transmission — Manual.....	2, 10, 11
Fan, Cooling.....	6	Transmission — Ratios.....	2, 11
Fiducial Marks.....	26	Tread.....	23
Filters — Engine Oil, Fuel System.....	4	Trunk Cargo Load.....	1
Feature Highlights.....	20	Trunk Luggage Capacity.....	24
Frame.....	18	Turning Diameter.....	15
Front Suspension.....	17	Utilized Construction.....	18
Front Wheel Drive Unit.....	12	Universal Joints, Propeller Shaft.....	12
Fuel System.....	5	Valve System.....	4
Fuel Injection.....	5	Vehicle Identification Number.....	18
Fuel Tank.....	5	Voltage Regulator.....	8
Generator and Regulator.....	8	Water Pump.....	6
Glass.....	27	Weights.....	21, 22
Headroom — Body.....	24, 25	Wheel Alignment.....	16
Heights — Car and Body.....	23	Wheelbase.....	23
Horns.....	9	Wheels & Tires.....	13
Horsepower — Brake.....	2	Wheel Spindle.....	15
Ignition System.....	9	Widths — Car and Body.....	23
Inflation — Tires.....	13	Windshield.....	27
Instruments.....	9	Windshield Wiper and Washer.....	9

MVMA Specifications Form
Passenger Car
METRIC (U.S. Customary)
SUPPLEMENTAL PAGE

Car Line _____
Model Year _____ Issued _____ Revised (*) _____
